BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION.

NAME OF WORK:- Providing Chainlink fencing to Storm Water Drain at selected reaches in ward No.10

ESTIMATE COST:- 19.95 LAKHS

Job Code ~~01~~ 010-12-000002

Report accompany the estimate for Providing Chainlink fencing to Storm Water Drain inselected reaches in Ward No.10

There are four branches of storm water drain running in the area coming under the jurisdiction of ward no.10 Doddabommasandra consisting of one primary drain and three secondary drains. Out of this the SWD coming from arch running parallel to Doddabommasandra main road upto Doddabommasandra lake is completely encroached and the details of the remaining branches are as follows.

1) Primary drain running from military compound near Elumandamma badavane upto Doddabommasandra lake is 1050m long with an average width of 2.50 to 3.00m
2) Secondary drain running from BEL compound wall upto Raghavendra mutt joining the primary drain is 800.00m long with an average width of 1.50 to 2.25m.
3) Secondary drain running from Ramachandrapura main road to Vishwabharathi public school to join the primary drain is 600.00m long with an average width of 1.25 to 3.00m.

Ward no.10 Doddabommasandra consists of mostly revenue layouts abutting to the storm water drains. There are roads running parallel to the drain at certain reaches and dead end roads leading to the storm water drains. To prevent any untoward incidents it is propose to provide chainlink fencing at these points. As per the request of the area corporator it is propose to construct an RCC drain leading from old Doddabommasandra village upto Venugopalswamy temple at Doddabommasandra which experiences water logging during rainy season.

The estimate for the above work is prepared as per the PWD SR 2010-11 after due inspection of the site with the following provisions.

- Providing and fixing MS rectangular poles
- Providing chainlink fencing
- Providing and fixing MS block pipes
- Removing BS slab
- Earthwork excavation by manual means
- Construction of embankment
- Providing and laying 1:4:8
- Providing and removing centering
- Providing and laying 1:1.5:3

- Providing TMT steel reinforcement
- Refixing stone slabs.

The above work is approved for Rs.20.00lakhs and job code allotted and the estimate is prepared and submitted for Rs.19.95 lakhs for according administrative approval and technical sanction

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾನಗರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ,
ಬೃ.ಬೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ಸಹಕಾರನಗರ, ಬೆಂಗಳೂರು-92.

BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Providing Chainlink fencing to Storm Water Drain at selected reaches in ward No.10

					Estimate Cost:			1995000.00	
Sl	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	Supplying and fixing M.S Rectangular poles made out of 2 equal angles of 65X65X6mm welded together and fixed in CC(1:2:4) with 2 Nos 16mm dia M.S hold fast rods each of length 25cms. Including cost of all materials cutting, bending scaffolding wherever necessary , nidcedly finishing the welded joints with all lesad lifts and as per the directions of the Engineer in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) P 232, Ino 37.2, PWDSR 2010-11	M							
	Near Siridhaba backside		14				14		
			9				9.00		
	RR School Doddabommasandra Road		11				11.00		
	Near Vishwabharathi Public School		7				7.00		
	Near KNV 2nd Stage		4				4.00		
	Near Hanuman layout		3X5				15		
	Ramcchandrapura main road		2X5				10.00		
	G.K Muniyappa Garden		2X5				10.00		
	Patel Narayanaswamy layout		5				5.00		
					85X3.00M		85.00		
							255.00	756.00	**192780.00**
	Basic Rate	700.00							
	Area Weightage @ 8%	56.00							
	Total	**756.00**							
2	Providing **Chain Link Fencing** 50 mm size of 8 guage property striched between rectangular poles and fixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required, including cost of all materials, labour, lead and lifts, cutting, bending scafolding wherever necessary, wastage and lapping etc., complete as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting **(P.231/I 37.3 PWD SR - 2010-11).**	**Sqm**							

	Near Siridhaba backside		1	31.00	2.50		77.50		
			1	19.00	2.50		47.50		
	RR School Doddabommasandra Road		1	25.00	2.50		62.50		
	Near Vishwabharathi Public School		1	15.00	2.50		37.50		
	Near KNV 2nd Stage		1	8.00	2.50		20.00		
	Near Hanuman layout		3	9.00	2.50		67.50		
	Ramcchandrapura main road		2	9.00	2.50		45.00		
	G.K Muniyappa Garden		2	10.00	2.50		50.00		
	Patel Narayanaswamy layout		1	10.00	2.50		25.00		
							432.50	569.16	**246161.70**
	Basic Rate	527.00							
	Area Weightage @ 8%	42.16							
	Total	569.16							
3	Providing and fixing **M. S. Block Pipe** of 38 mm dia, of heavy guage of 1:4, including removing the bends, cutting the pipe in between the two verticle poles (M. S. Rectangular Poles) and spot welding the chain link with M. S. Block Pipe, including cost of all materials, wastage in cutting and scaffolding wherever necessary, with all lead and lift as directed by the Engineer-in-charge of the work etc., complete including 2 coats of approved quality paint over one coat of shop painting **(P.231/I 37.4 PWD SR - 2010-11).**	**M**							
	Near Siridhaba backside		3	31.00			93.00		
			3	19.00			57.00		
	RR School Doddabommasandra Road		3	25.00			75.00		
	Near Vishwabharathi Public School		3	15.00			45.00		
	Near KNV 2nd Stage		3	8.00			24.00		
	Near Hanuman layout		3	3.00	9.00		81.00		
	Ramcchandrapura main road		2	3.00	9.00		54.00		
	G.K Muniyappa Garden		2	3.00	10.00		60.00		
	Patel Narayanaswamy layout		3	10.00			30.00		
							519.00	262.44	**136206.36**
	Basic Rate	243.00							
	Area Weightage @ 8%	19.44							
	Total	262.44							

4	Dismantling size stone masonry I n clay mortar/lime mortar and staking the sizae stone within a radius of 50m and removing the debris to a distance upto 200m P.235, I.37.48 PWDSR 2010-11	**Cum**							
			Nos as per Item no 01						
			85.00	0.50	0.50	0.50	10.63		
							10.63	118.00	**1253.75**
	Basic Rate	118.00							
5	Removing B.S. slab of Drain and stacking. (P No.24 / i 5.32 SR 2010-11)	Sqm							
			1	151.00	1.20		181.20		
							181.20		
	80% of Qty						144.96		
							144.96	42.77	**6199.65**
	Basic Rate	39.60							
	Area Weightage @ 8%	3.17							
	Total	**42.77**							
6	KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. (P No.126 / i 19.1 SR 2010-11)	**Cum**							
			1	151.00	1.90	2.00	573.80		
							573.80		
	Deduction of Existing Drain		1	151.00	0.90	0.30	40.77		
							533.03	56.16	**29934.96**
	Basic Rate	52.00							
	Area Weightage @ 8%	4.16							
	Total	**56.16**							
7	KSRB 2.8: Providimg and filling in foundation with granite / trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. (P No. 06 / i 2.15 SR 2010-11)	Cum							
			1	151.00	1.75	0.10	26.43		
							26.43	1032.48	**27283.28**
	Basic Rate	956.00							
	Area Weightage @ 8%	76.48							
	Total	**1032.48**							
8	KSRB 4-1.3: Providing and laying in position plain cement concrete mix 1:4:8 using 40mm and down size graded granite metal machine, concrete laid in layers not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specification No.KBS 4.1, 4.2 (P No. 12 / i 4.3 SR 2010-11)	Cum							

			1	151.00	1.75	0.10	26.43		
							26.43	3431.22	**90669.99**
	Basic Rate	3101.00							
	Add Differnce in Cost of Cement 3.40x40.00 =	136.00							
	Total	3237.00							
	Area Weightage @ 6%	194.22							
	Total	3431.22							
9	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc.., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses,plinth and string courses cost of all materials,labour complete as per specifications. (P No. 14 / i 4.31 SR 2010-11)	Sqm							
			2 X 2	151.00		1.50	906.00		
							906.00	199.80	**181018.80**
	Basic Rate	185.00							
	Area Weightage @ 8%	14.80							
	Total	**199.80**							
10	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 with 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slab, staircase, lintels, retaining walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks plain window cills,fillets etc.., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P No. 12 / i 4.11 SR 2010-11)	Cum							
	Sides		1 X 2	151.00	0.15	1.50	67.95		
	Bottom		1 X 1	151.00	1.75	0.15	39.64		
							107.59	5150.54	**554133.72**
	Basic Rate	4539.00							
	Add Differnce in Cost of Cement 8.00x40.00 =	320.00							
	Total	4859.00							
	Area Weightage @ 6%	291.54							
	Total	5150.54							

Administrative Sanction for Rs. 19.95 lacs only (Rs Nineteen lacks ninety five thousand only) **is accorded under head** Outside programme & works P0546 **registered as DE No.** 111/11-12 **Subject to Conditions contained in enclosed memo No.** ...../..... **Dr.** ..... AE/JE TA SE (BTP) CE (BTP)

11	KSRB 4.9.2 : Providing T.M.T steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and westage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P No. 16 Item No.4.46 PWD SR 2010-11)	Qntl							
		At 80% of Qty vide item No. 06					**86.07**	3204.52	**447953.04**
	Basic Rate	4819.00							
	Area Weightage @ 8%	385.52							
	Total	**5204.52**							
12	Refixing stone slabs of drains and pointing in C.M. (1:3) (P No.24 / i 5.33 SR 2010-11)	Sqm							
	Qty vide Item No. 05						144.96		
							144.96	51.30	**7436.45**
	Basic Rate	47.50							
	Area Weightage @ 8%	3.80							
	Total	**51.30**							
13	Leadfor disposalof debris shall be payable at the following rates	**Cum**							
	Basic rate for haulage of materials as per item no.17.4 page 118) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 5X1.20X2.00=12.00	12.00							
	Add loading and unloading Vide item no.17.1 P.no.118	62.20							
		74.20							
	Area Weightage @ 8%	5.94		Qty. Vide Item No. 02			**533.03**	80.14	**42714.89**
	Total	80.14							
8	Miscellaneous and unforeseen charges								**4813.61**
								Total	**1995000.00**

(Rupees:- Nineteen Lakhs Ninty Five thousand Only)

CERTIFICATE

1. Certified that I have personally inspected the area and prepared the Estimate.
2. Certified that the work proposed in this estimate is approved under SWD Grants for 2011-2012
3. Certified that the work proposed in this estimate is not including in any other scheme.
4. Certified that the above estimate is prepared as per PWD SR 2010-11.

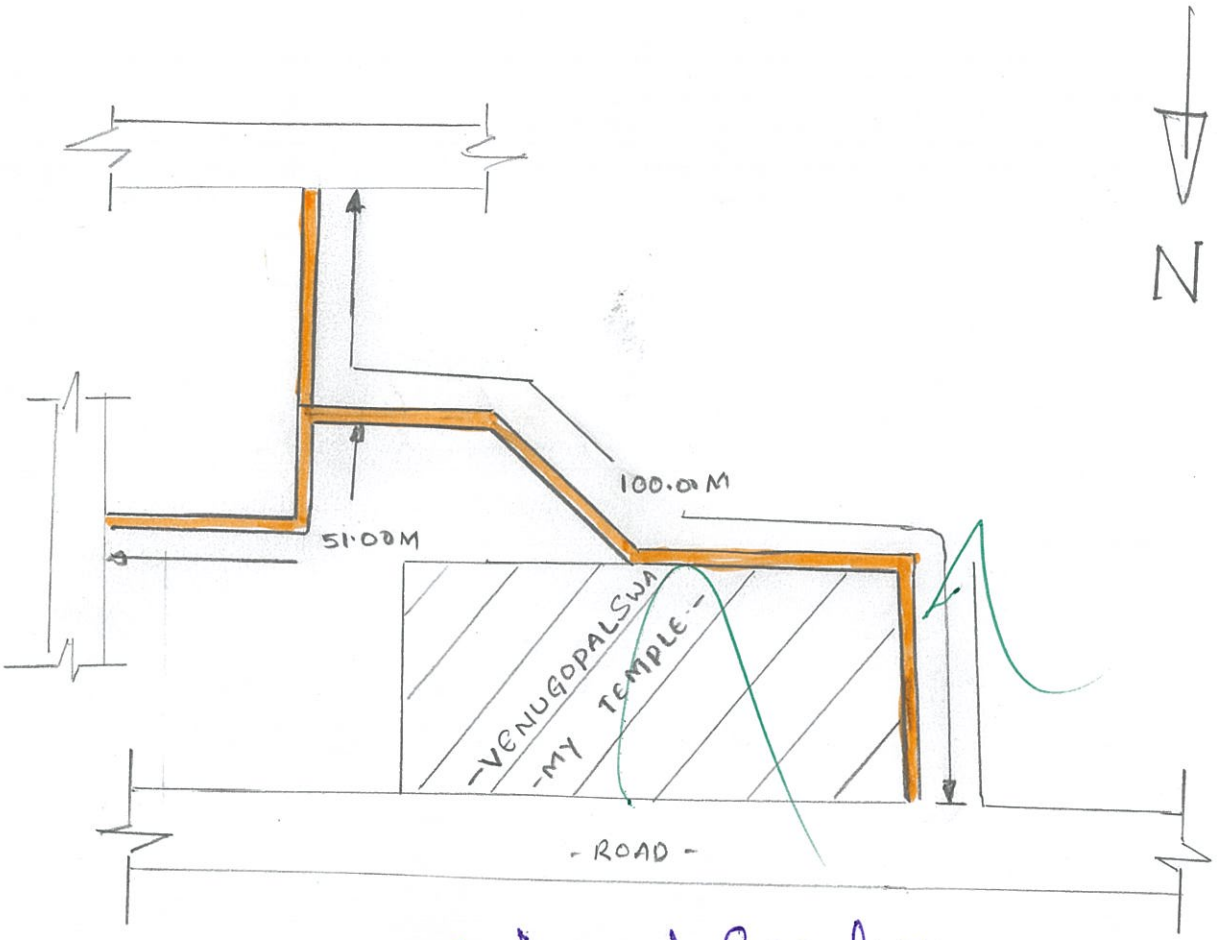
Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub-Division
B.B.M.P. Bangalore.

Executive Engineer
Byatarayanapura Division.
B.B.M.P. Bangalore.

Technical Sanction for Rs. 1995 lacks only (Rs Nineteen lacks ninety five thousand only) **under** Desilting & Storm water drain P0546 (SWD) **registered as CE No.** CE/YNK/TS/110/11-12 **Subject to Conditions contained in enclosed memo No.** ...../..... **Dr.** 26/7/11 CE

Providing chainlink fencing to storm water drain at selected reaches.

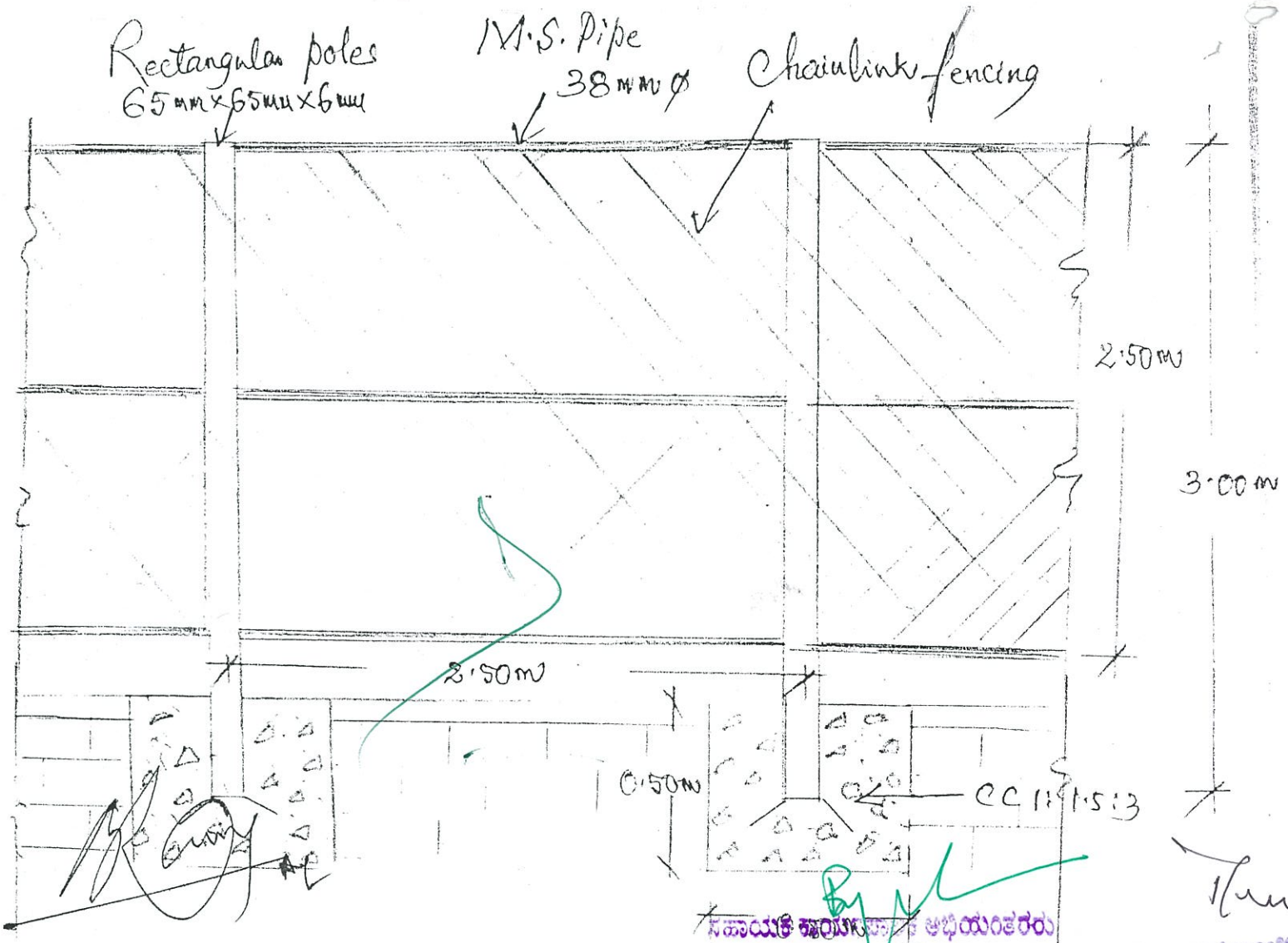


INDEX Proposed Rcc drain.

ಸಹಾಯಕ ಕಾರ್ಯ[illegible]
ವಿದ್ಯುದ್ವಿಭಾಗ ಉಪ[illegible] ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ.
ಬೃ.ಬೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ಸಹಕಾರನಗರ, ಬೆಂಗಳೂರು-92.

Name of works:- Providing Chain link fencing to SWD at selected reaches in Wards no. 40.

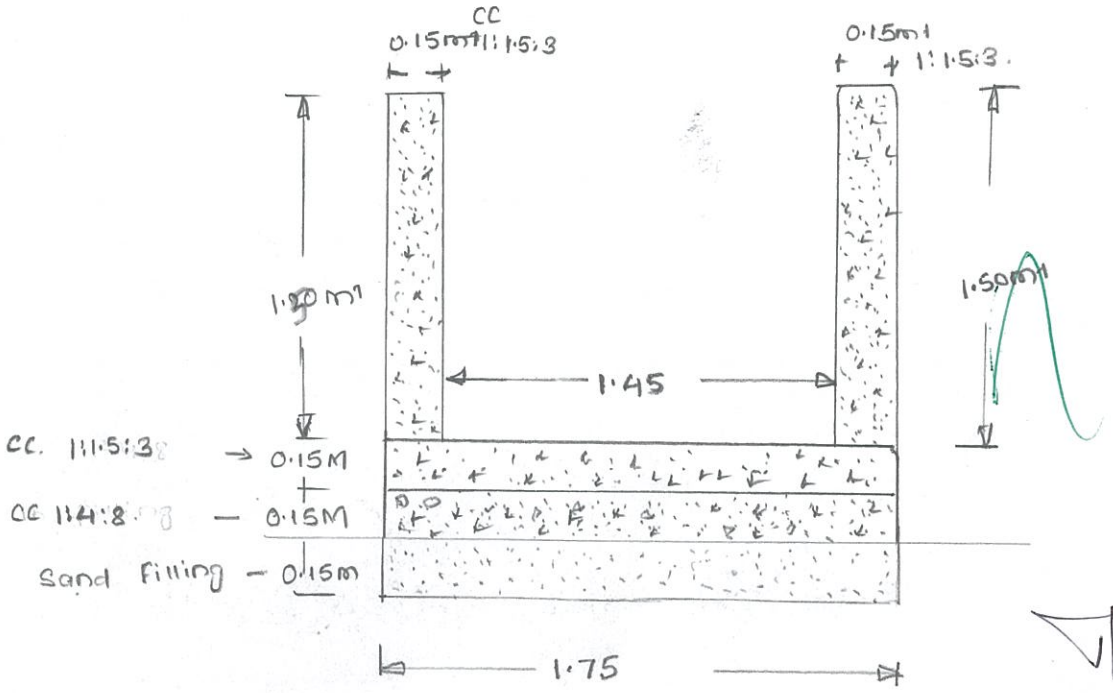


TYPICAL SECTION OF CHAIN LINK FENCING

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಪ್ಯಾಟಲಾಯನಮರ ವಿಭಾಗ,
ಬೃ.ಜೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ನವಕಾರನಗರ, ಬೆಂಗಳೂರು-9

Providing cement concrete drain



CROSS-SECTION

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ,
ಬೃ.ಬೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ಸಹಕಾರನಗರ, ಬೆಂಗಳೂರು-92.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97,